

INTEROFFICE MEMORANDUM

Date: April 10, 2006
 To: Arthur L. Williams, Director
 From: Arthur Chang, Technical Services Supervisor
 Re: March 2006 FRM PM_{2.5} Monitoring Update Report

This is a report of March 2006 Federal Reference Method PM_{2.5} monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

March 2006

Table 1. PM_{2.5} Monthly Data Summary (µg/m³)

	Daily Maximum	Daily Minimum		Monthly
<u>Site Name</u>	<u>Conc. & Date</u>	<u>Conc. & Date</u>	<u>Run Time</u>	<u>Average</u>
Southwick	24.5 (03/04)	4.7 (03/14)	83.9 %	13.1
Wyandotte	24.1 (03/06)	5.2 (03/14)	100.0 %	12.6
Barret	23.9 (03/06)	5.2 (03/18)	100.0 %	12.3
Watson	22.7 (03/06)	6.4 (03/25)	100.0 %	12.0
Overall				12.6

The 24-hour average standard is 65 µg/m³.

Table 2. PM_{2.5} Design Values and Year-to-Date Annual Mean Comparisons

<u>Site Name</u>	<u>Annual Mean (ug/m³)</u>							Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004)	Annual Design Values (2003-2005)	Annual Design Values (2004-2006) ³
	2006 ³	2005	2004	2003	2002	2001	2000					
Southwick/ <i>Firearms Trn</i> ¹	12.0	16.7	14.6	15.4	17.2	17.1/ 18.7 ¹	17.3	N/A	N/A	15.7 ²	15.6 ²	14.4
Wyandotte	11.9	16.6	14.1	15.2	17.5	17.7	16.7	17.3 ²	16.8 ²	15.6	15.3	14.2
Barret	11.5	16.8	14.0	15.2	16.3	16.9	16.7	16.6	16.1	15.1	15.3	14.1
Watson	12.2	16.5	12.7	15.1	15.3	16.3	16.8	16.1	15.5	14.3	14.7	13.8

The annual average standard is 15.0 µg/m³.

¹ *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

² Design value site for Louisville.

³ Year-to-date data for 2006.